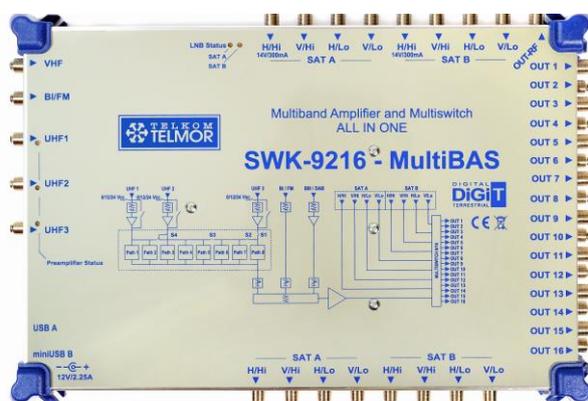


SWK-9216 MultiBAS

Multiphase amplifier WWK-982NG + multiswitch 9/16

„all in one”



Innovative, ground-breaking structure designed for constructing collective installations in multi-family buildings. The device integrates cascading multiswitch 9/16 (two satellite positions, sixteen outputs) and the new generation WWK-982 amplifier.

The built-in multiswitch has built-in slopes (signals with higher frequency have higher levels in comparison to signals with lower frequency). This property leads to levelling of signal levels in subscriber's socket because the characteristic of the concentric cable is opposite to the multiswitch characteristic (signals with higher frequency are muffled to a larger extent in comparison to the signals with lower frequency).

SWK-9216 subscriber's outlets with lower numbering have higher levels in relation to the outlets with higher numbering. Therefore the connection of sockets can be planned so that the more distant sockets would be connected to ports with lower numbers and those less distant to ports marked with higher numbers. In this way levelling of signal levels in all sockets of the installation is obtained.

The levels of input signals of the satellite part may be tuned. It is useful in case of small distances of SWK to antenna mast.

There is a number of the newest achievements of TELKOM-TELMOR in the part responsible for ground signals. Every signal input has a built-in protection against overvoltage and overload.

Each channel unit may be tuned and it is possible to change its width within the range 8-48MHz.

SWK-9216 is controlled by an external programmer through a USB cable.

- **Device compliant with the Decree of the Minister of Transport, Construction of November 11, 2012.**
- The integration of channel amplifier and multiswitch for two satellite positions – in one
- Three UHF inputs sharing eight tunable channel units with width of 8-48MHz
- The possibility to supply UHF preamplifiers with voltage of 12V/24V
- LED signalization of the work status of the preamplifier
- The newest protections against short circuits on the UHF and SAT
- The newest protection against overload on the UHF and SAT inputs
- External programmer
- Possibility of remote control via the Internet

TECHNICAL PARAMETERS

TYPE		SWK-9216 Amplifier			
Parameters	Unit	BI/FM	VHF	UHF1;2;3	SAT
Operation frequency	MHz	47..108	174..230	470..862	950-2150
Amplification (subscriber's outputs)	dB	9	12	25- 28	12+/-3 for outputs 1-4 10+/-3 for outputs 5-8 5+/-3 for outputs 9-12 3+/-3 for outputs 13-16
Amplification (through outputs)	dB	9	12	25- 28	2...8
Preamplifier (UHF) turned off				12+/-3	
Regulation of amplification	dB	20	20	25	11 (correction)
Separation between UHF inputs	dB	25			
Separation between RF+SAT outputs	dB	33			
Separation between SAT inputs (passage)	dB	41			
Repression of incompatibility on inputs	dB	—	11	8	5
Repression of incompatibility on outputs	dB	10	11	6	10
Noise factor	dB	6	4	9	15 (typically)
Max. output level IMD ₃ =60dB for RF, IMD ₃ =35 for IF	dBuV	84	88	92	98
Voltage / max power consumption on inputs	V/mA	—	—	12,5/50 23,4/50	13,7/300 (on H/Hi input)
Supply voltage / power consumption / max power	V/A/W	+12 / 2 / 23			

Technical parameters may undergo changes without prior notification.